

Docket No. AUS920031016US1

**ABSTRACT OF THE DISCLOSURE**

**METHOD AND DATA PROCESSING SYSTEM FOR PER-CHIP THREAD  
QUEUEING IN A MULTI-PROCESSOR SYSTEM**

A method, computer program product, and a data processing system for queueing threads among a plurality of processors in a multiple processor system having a plurality of multi-processor modules is provided. A first thread to be processed is received and is identified as part of an existing process. A search for an idle processor is performed. The search is restricted to processors of a first multi-processor module associated with the existing process.